

(12) UK Patent Application (19) GB (11) 2 301 311 (13) A

(43) Date of Printing by UK Office 04.12.1996

(21) Application No 9615480.2

(22) Date of Filing 01.02.1995

(30) Priority Data

(31) 9402598 (32) 10.02.1994 (33) GB

(86) International Application Data

PCT/GB95/00261 En 01.02.1995

(87) International Publication Data

WO95/21965 En 17.08.1995

(71) Applicant(s)

University of Newcastle Upon Tyne

(Incorporated in the United Kingdom)

18 Windsor Terrace, Jesmond,

NEWCASTLE UPON TYNE, NE2 4HE, United Kingdom

(72) Inventor(s)

Colin John Francis Philip Jones

Kjell Eng

(51) INT CL⁶

E02D 17/20, D04H 5/00, E02B 11/00, E02D 3/00

(52) UK CL (Edition O)

B5N N0506 N0508 N0510 N0526 N175 N177 N178
N18X N180 N195 N196 N207 N21Y N223 N255 N257
N295 N297 N369 N37Y N393 N394 N401 N408 N41X
N418 N420 N427 N491 N494 N507 N509 N579 N586
N70X N71Y N711 N787

E1F FWDJB

E1H HHA

U1S S1765

(56) Documents Cited by ISA

EP 0591963 A1 EP 0390755 A2 AU 860064285 B
FR 002471740 A1 US 5137393 A US 4404516 A

(58) Field of Search by ISA

INT CL⁰ D04H, E02B, E02D
WPI, CLAIMS

(74) Agent and/or Address for Service

William Jones

The Crescent, 54 Blossom Street, YORK, YO2 2AP,
United Kingdom

(54) Improvements relating to geosynthetics

(57) The invention relates to a novel geosynthetic which in a first embodiment comprises a composite geosynthetic comprising reinforcement material embedded in a drainage material; and in the second embodiment of the invention there is provided an electrically conducting geosynthetic which may be used in isolation or which may, alternatively, form a part of the composite geosynthetic.

A proposed Geocomposite drainage and reinforcement material

Geogrid locked inside a thick
non-woven geotextile (providing both
drainage and reinforcement)



A thick non-woven geotextile
(i.e. 4 - 8 mm thickness)

GB 2 301 311 A